

Index to Volume 160

- ACETYLCHOLINE** in summation of stimuli, 375
- Acoustic cortex, 395
- Actomyosin and the uterus, 46
- Adrenal cortex
- adrenergic agents, 490
 - response to stress, 499
 - and spleen in relation to leucocytes, 75
- Adrenal cortical extract (ACE)
- antagonism to desoxycorticosterone, 217
 - in shock, 83
- Adrenaline and respiration, 485
- Adrenals and extracellular sodium and chloride depletion, 89
- Adrenergic agents and adrenal cortex, 490
- Adrenocorticotrophic hormone (ACTH), antagonism to desoxycorticosterone, 217
- ALEXANDER, W. F., 441
- Alloxan
- and changes in blood sugar, 228
 - and liver gluconeogenesis, 107
- Altitude and decompression injury, 361
- Amines
- in blood during hypertension, 409
 - convulsions in cerebellum and cerebrum induced by, 195
 - and inhibition of cholinesterase, 187
- Anabolism
- and androgens, 62
 - protein and hormones, 66
- Androgens
- and protein anabolism, 62
 - protein anabolic property of, 53
- Anesthesia
- and blood sugar response to alloxan, 228
 - ether and barbiturate, and blood changes, 277
 - sodium pentobarbital and ether effects on rate of flow and cell content of thoracic duct lymph, 9
- Anoxia
- and injury, 361
 - and respiration, 138
- Anticholinesterases and summation of stimuli, 375
- Antiproteolytic activity and ulcer formation, 348
- Apneusis and respiration, 385
- Arterial pressure
- and body temperature, 402
 - and electrical alternation, 366
 - and hypotension, 519
 - and liver, 421
- Ascorbic acid in adrenal cortex and spleen, 75
- Atrial pressures, 556
- Auricular fibrillation and coronary blood flow, 177
- BAIN, J. A.**, Inhibition of rat brain cholinesterase by β -chlorinated amines, 187; 195
- BALL, S. M.**, 353
- BANCROFT, R. W.**, 103
- BANKS, E. M.**, 462
- BEALL, B.**, 62
- BERGHOUT, J.**, 479
- BERLINER, R. W.**, **T. J. KENNEDY, JR.** AND **J. G. HILTON**. Renal clearance of ferrocyanide in the dog, 325
- BERNHEIM, F.**, 31
- BEST, C. H.**, 228
- Beta cell granulation and alloxan, 228
- BEYER, K. H.**, **H. F. RUSSO**, **S. R. GASS**, **K. M. WILHOYTE** AND **A. A. PITT**. Renal tubular elimination of N^1 -methylnicotinamide, 311
- BIGELOW, W. G.**, **W. K. LINDSAY**, **R. C. HARRISON**, **R. A. GORDON** AND **W. F. GREENWOOD**. Oxygen transport and utilization in dogs at low-body temperatures, 125
- BING, R. J.**, 149
- BLACK, H.**, 163
- BLICKENSTAFF, D.** AND **M. I. GROSSMAN**. A quantitative study of the reduction of gastric acid secretion associated with pyrexia, 567
- Blood
- amine content during hypertension, 409
 - calcium and citrate content, 335
 - citric acid content, 330, 341
 - gas tensions in, 163
 - glucose removal, 506
 - homologous, and hypertonic solutions, 509, 519
 - renal flow, 547
 - vascular reactivity, 421
 - tocopherol levels, 259
- Blood changes
- and anesthesia, 277
 - following evisceration, 247
 - and splenectomy, 295

- Blood flow
 and cardiac oxygen, 149
 and lumbar sympathetic trunk, 441
 and sympatholytic effects of cinchona alkaloids, 212
 techniques for measuring, 183
- Blood pressure
 and auricular fibrillation, 177
 and diet in renal hypertension, 31
 and renal clearance in hypertension, 21
- Blood sugar changes
 following alloxan, 228
 following partial pancreatectomy, 103
- BLUMENTHAL, M. R., 177
- Body weight
 effects of protein anabolism and hormones, 66
 and steroids, 62
- Brain
 acoustic area, 395
 stimulation on phosphate esters of, 203
 turtle, 402
- BRECHER, G. A., 556
- BRECKENRIDGE, C. G., 485
- BRECKENRIDGE, C. G. AND H. E. HOFF. Pontine and medullary regulation in the cat, 385
- BRIDGES, W. C., 306
- BRUCER, M., G. L. HERMAN AND H. G. SWANN. Interrelationship of the cardio-respiratory events in anoxia, 138
- Bubble flow meter and renal blood flow, 547
- C**ALCIUM
 and citric acid, 330
 serum and thyroid function, 341
- Carbon dioxide, effects on convulsions in cerebellum and cerebrum, 195
- Cardiac input, measured with a rotameter, 183
- Cardiac output
 and auricular fibrillation, 177
 and hypotension after hypertonic solutions, 15
 inhibition, 552
 measured by direct Fick method, 183
 oxygen consumption and coronary blood flow, 149
- CARRASCO-FORMIGUERA, R. AND M. T. MENDOZA. Impairment of liver gluconeogenesis from lactic acid as result of alloxan action, 107
- Cerebral cortex, acoustic area in, 395
- CHANG, T. S., 335, 341
- CHANG, T. S. AND S. FREEMAN. Citric acid and its relation to serum and urinary calcium, 330
- CHENG, C., 217
- Chloride excretion, 536
- Chloride and extracellular sodium in adrenals, 89
- Cholinesterase inhibition by amines, 187
- Cinchona alkaloids and renal blood flow and blood pressure, 212
- Citric acid
 and hypercalcemia, 335
 and thyroparathyroidectomy, 341
 and urinary calcium, 330
- CIZEK, L. J. AND J. H. HOLMES. Chloride excretion during osmotic diuresis in the dog, 536
- CLIFFTON, E. E. AND L. E. YOUNG. Antiproteolytic activity of serum from dogs with experimentally-induced peptic ulcers, 348
- COHN, R. AND H. PARSONS. Relationship of portal hypertension and irreversibility of shock, 437
- COLLINS-WILLIAMS, J., 228
- Conditioned reflexes in young puppies, 462
- CONN, H. L., JR. AND K. MARKLEY. Simultaneous comparison of renal blood flow as measured by the Fick principle and by the bubble flow meter, 547
- Convulsions in cerebellum and cerebrum induced by amines, 195
- COREY, E. L., 361
- Coronary blood flow
 and auricular fibrillation, 177
 and oxygen consumption, 149
- Coronary occlusion
 and electrical alternation, 366
- COX, J. W., 441
- CSAPÓ, Á. Actomyosin of the uterus, 46
- CUNNINGHAM, J. E., 485
- D**AVIS, A. K., 89
- DAWSON, R. M. C. AND D. RICHTER. Effect of stimulation on the phosphate esters of the brain, 203
- Decompression injury and anoxia, 361
- Depressor substance and hypotension, 509
- Desoxycorticosterone (DCA)
 antagonism of adrenocorticotrophic hormone and adrenal cortical extract, 217
 in shock, 83
- Dextrose and diabetes insipidus, 321
- DEYRUP, I. J., 15
- DEYRUP, I. J. AND W. W. WALCOTT. Observations on hypotension following intravenous injection of strongly hypertonic solutions mixed with homologous blood, 519
- Studies on mechanism of potentiation of circulatory effects of hypertonic solu-

- renals, 89
87
flow and
- tions resulting from admixture of these solutions with homologous blood, 509
- Diabetes
production by partial pancreatectomy, 103
and renal function, 321
- Diet
and blood sugar response to alloxan, 228
and renal hypertension, 31
- Diuresis, osmotic, 536
- DJU, M. Y., M. L. QUARF AND P. L. HARRIS.
Utilization of pure α -, γ -, and δ -tocopherols by laying hens, 259
- DREYFUSS, F., 177
- Drugs
adrenaline apnea, 485
and blood changes, 277
and epinephrine toxicity, 479
as inhibitors of cholinesterase, 187
pilocarpine, 467
polarization of spinal cord elements, 451
and renal blood flow and blood pressure, 212
sodium pentobarbital and epinephrine release, 499
and vascular reactivity, 421
- Duct ligation and pancreatic function, 115
- DURY, A., Leucocyte picture of the rat: relation of adrenal and spleen, 75
- EASLER, C. A., 462
- EICHELBERGER, L., AND M. ROMA. Water and electrolyte distribution in blood and tissues in splenectomized dogs before and after hypotonic saline injections, 295
- Electrical activity of acoustic cortex, 395
- Electrical alternation and coronary occlusion, 366
- Electrolytes
absorption of, 264
and electroshock threshold, 217
and sea water, 291
and splenectomy, 295
- Epinephrine
and adrenal cortical activity, 490
and anesthesia, 499
toxicity, 479
- Eserine and pupillary response, 474
- Esters, brain phosphate, 203
- Estrogen degradation by liver, 41
- Evisceration, blood changes following, 247
- Extracellular fluid, measurement, 526
- FEIGEN, G. A., 451
- FERGUSON, D., 402
- Ferritin and hemoglobin iron, 1
- Ferrocyanide, renal clearance of, 325
- FIELD, L., 306
- FIELD, N. S., 41
- Fick method for measuring cardiac output, 183
- Fick principle and renal blood flow, 547
- FLANAGAN, J. B., A. K. DAVIS AND R. R. OVERMAN. Mechanism of extracellular sodium and chloride depletion in the adrenalectomized dog, 89
- FRANK, C. W., 177
- FREEMAN, S., 330
- FREEMAN, S. AND T. S. CHANG.
Effect of thyroparathyroidectomy and vitamin D upon serum calcium and citric acid of normal and nephrectomized dogs, 341
Role of the kidney and of citric acid in production of a transient hypercalcemia following nephrectomy, 335
- FREINKEL, N., 532
- FREY, J. S., 375
- FULLER, J. L., C. A. EASLER AND F. M. BANKS.
Formation of conditioned avoidance responses in young puppies, 462
- GANOID, reflex cardiac inhibition in, 552
- Gas tensions in blood, 163
- GASS, S. R., 311
- Gastric acid secretion, 567
- GESELL, R. AND J. S. FREY. Temporal summation of stimuli studied with the aid of anticholinesterases, 375
- Glomerular filtration
and diabetes insipidus, 321
ferrocyanide excretion, 325
- Glomerular filtration rate and renal sodium excretion, 306
- Glucose
and brain metabolism, 203
excretion following partial pancreatectomy, 103
and survival time following evisceration, 122
tolerance of rat for, 506
- GOODMAN, L. S., 217
- GORDON, R. A., 125
- GRANT, R. Emotional hypothermia in rabbits, 285
- GRAY, F., 306
- GREEN, D. W., W. C. BRIDGES, A. D. JOHNSON, J. H. LEHMAN, F. GRAY AND L. FIELD. Relation of glomerular filtration rate and sodium tubular rejection fraction to renal sodium excretion, 306

GREENWOOD, W. F., 125

GROSSMAN, M. I., 115, 567

HALL, W. M. AND E. L. COREY. Anoxia in explosive decompression injury, 361

HAMMERSTROM, R. N., 479

HAMPTON, J. K., JR. AND H. S. MAYERSON. Hemoglobin iron as a stimulus for production of ferritin by kidney, 1

HANDLEY, C. A. AND A. D. KELLER. Changes in renal functions associated with diabetes insipidus precipitated by anterior hypothalamic lesions, 321

HANDLER, P. AND F. BERNHEIM. Importance of dietary protein, calories and salt in experimental renal hypertension, 31

HARRIS, P. L., 259

HARRISON, R. C., 125

Heart

inhibition, 552

ate and electrical alternation, 366

HELLERSTEIN, H. K. AND I. M. LIEBOW. Electrical alternation in experimental coronary artery occlusion, 366

Hemodynamics, right and left atrial pressures, 556

Hemoglobin iron as stimulus for production of ferritin by kidney, 1

HENDERSON, W. P., 441

HERMAN, G. L., 138

HERTZMAN, A. B., 441

HIATT, E. P. Sympatholytic effects of quinine and quinidine, 212

HILTON, J. G., 325

Histamine

and gastric acid secretion, 567

and ulcer formation, 348

HOFF, H. E., 385

HOFF, H. E., C. G. BRECKENRIDGE AND J. E. CUNNINGHAM. Adrenaline apnea in the medullary animal, 485

HOLMES, J. H., 536

HUGGINS, R. A., E. L. SMITH AND M. A. SINCLAIR. Comparison between the cardiac input measured with a rotameter and output determined by the direct Fick method in open-chest dogs, 183

HUNGERFORD, G. F. AND W. O. REINHARDT. Comparison of effects of sodium pentobarbital or ether-induced anesthesia on rate of flow and cell content of rat thoracic duct lymph, 9

Hypercalcemia, kidney and citric acid, 335

Hyperglycemia and glucose tolerance, 506

Hypertension

effects on blood pressure and renal clearance, 21

and pressor substances, 409

and shock, 437

Hypertonic solutions

diuresis and chloride excretion, 536

and homologous blood, 509

and hypotension, 15, 519

Hypoglycemia and alloxan, 107, 228

Hypophysis and diabetes insipidus, 321

Hypotension and hypertonic solutions, 15, 509, 519

Hypothermia

emotional, 285

and oxygen consumption, 125

Hypotonic saline injections

and splenectomy, 295

INGLE, D. J. AND J. E. NEZAMIS. Effect of temperature upon survival of eviscerate rat, 122

INGLE, D. J., J. E. NEZAMIS AND E. H. MORLEY. Effect of work upon tolerance of the normal rat for intravenously administered glucose, 506

INGLE, D. J., M. C. PRESTRUD AND J. E. NEZAMIS. Changes in the blood of the rat following evisceration, 247

Insulin

and blood sugar response to alloxan, 228

and survival time following evisceration, 122

Intrathoracic pressure, 556

Inulin and plasma-interstitial fluid, 532

Ion exchange resins and mineral metabolism, 264

Ions, sodium sulfate and renal excretion, 353

JOHNSON, A. D., 306

KANGAROO rats and utilization of sea water, 291

KATZ, L. N., 21

KEATING, R. P., 177

KELLER, A. D., 321

KENNEDY, T. J., JR., 325

Kidney

excretory components, 311

and hypercalcemia, 335

measurement of renal blood flow, 547

and sodium sulfate, 353

KISCH, B. Reflex cardiac inhibition in the ganoid *Acipenser sturio*, 552

KOCHAKIAN, C. D.

Comparison of protein anabolic properties of testosterone propionate and growth hormone in the rat, 66

Comp
var

KOCHAKIAN, C. D.
of prot
propion

KOHN, H.
ether a

LABILE
Lactic ac

LEHMAN,
Leucocy

LIEBOW,
LINDSAY,

Liver
and
and
glyc

Lymph

McAUL

McCHES
Effect

minera

MAQSOO
variati

thyroi
tion o

MARKLE

MAYERS
Medulla

Medulla
apnea

MENDO
MERRID

Metabo

and
of

thy

Miosis

MORLE

Muscle

Myocar

NEIL
Pili

Re

Nerve

NEZAM

NICKE
HAM
letha

- Comparison of protein anabolic property of various androgens in the castrated rat, 53
- KOCHAKIAN, C. D. AND B. BEALL. Comparison of protein anabolic property of testosterone propionate in the male and female rat, 62
- KOHN, H. I. Changes in blood of the rat during ether and barbiturate anesthesia, 277
- L**ABILE factor and thrombin, 572
- Lactic acid and alloxan action, 107
- LEHMAN, J. H., 306
- Leucocytes, relation of adrenal and spleen, 75
- LIEBOW, I. M., 366
- LINDSAY, W. K., 125
- Liver
and arterial pressure, 421
and estrogen degradation, 41
glycogen and alloxan action, 107
- Lymph flow and anesthesia, 9
- M**CAULIFF, J. P., 264
- MCCHESNEY, E. W. AND J. P. MCAULIFF. Effects of some ion exchange resins on the mineral metabolism of rats, 264
- MAQSOOD, M. AND E. P. REINEKE. Influence of variation in environmental temperature and thyroid status on growth and feed consumption of the male mouse, 253
- MARKLEY, K., 547
- MAYERSON, H. S., 1
- Medullary regulation and respiration, 385
- Medullary respiratory center and adrenal apnea, 485
- MENDOZA, M. T., 107
- MERRILL, D. L., 149
- Metabolism
and ion exchange resins, 264
of nicotinic acid, 311
thyroid status and temperature, 253
- Miosis and eserine, 474
- MORLEY, E. H., 506
- Muscle dystrophy and tocopherols, 259
- Myocardial failure and epinephrine, 479
- N**EIDLE, E. A.
Pilocarpine sensitization in the parasympathetically denervated pupil of the cat, 467
Response of the parasympathetically denervated cat's pupil to eserine, 474
- Nerve impulses and acetylcholine, 375
- NEZAMIS, J. E., 122, 247, 506
- NICKERSON, M., J. BERGHOUT AND R. N. HAMMERSTROM. Mechanism of the acute lethal effect of epinephrine in rats, 479
- Nicotinamide and renal tubular elimination, 311
- Nitrogen retention
effects of protein anabolism and hormones, 66
and steroids, 53, 62
- O**PDYKE, D. F. AND G. A. BRECHER. Effect of normal and abnormal changes of intrathoracic pressure on effective right and left atrial pressures, 556
- OVERMAN, R. R., 89
- Oxygen consumption and coronary blood flow, 149
- Oxygen transport and utilization at low body temperatures, 125
- P**AGE, I. H. Influence of the liver on vascular reactivity, 421
- Pancreas
function after duct ligation, 115
removal in production of diabetes, 103
- Pancreozymin, ligation of pancreatic duct, 115
- PARSONS, H., 437
- PAULS, F. AND R. W. BANCROFT. Production of diabetes in the mouse by partial pancreatectomy, 103
- Peripheral resistance and arterial hypotension, 15
- Phosphocreatine levels of the brain, 203
- Pilocarpine response in parasympathetic denervation, 467
- PITT, A. A., 311
- Pituitary, anterior, 490
- Plasma
changes following evisceration, 247
formation of thrombin, 572
and inulin, 532
- Plasma concentration in measurement of extracellular fluid, 526
- Plasma levels and anesthesia, 277
- Polarization of spinal cord elements, 451
- POLLOCK, G. H. AND J. A. BAIN. Convulsions in cerebellum and cerebrum induced by β chlorinated amines, 195
- Pontine regulation and respiration, 385
- POWERS, S. R., 149
- Pressor substances and hypertension, 409
- Pressures, intrathoracic and atrial, 556
- PRESTRUD, M. C., 247
- Proteins
anabolic properties of steroids, 53
contractile, in human muscle, 46
- Pupil, parasympathetically denervated, 467, 474

Pyrexia and gastric acid secretion, 567
 Pyrogens and emotional hypothermia, 285

QUAIFE, M. L., 259

QUICK, A. J. AND M. STEFANINI. Nature of action of the labile factor in formation of thrombin, 572

Quinine and quinidine, sympatholytic effects of, 212

RANDALL, W. C., W. F. ALEXANDER, A. B. HERTZMAN, J. W. COX AND W. P. HENDERSON. Functional significance of residual sympathetic pathways following verified lumbar sympathectomy, 441

Reflexes, cardiac inhibition, 552

REICHLIN, S., 490

REINEKE, E. P., 253

REINHARDT, W. O., 9

Renal blood flow, measurement, 547

Renal clearance

of ferrocynaide, 325
 and hypertension, 21
 and nicotinamide, 311

Renal function

and diabetes insipidus, 321
 and ferritin, 1
 and sodium output, 306
 and sodium sulfate, 353

Resins and mineral metabolism, 264

Respiration

and adrenaline, 485
 and anoxia, 138
 as factor in epinephrine toxicity, 479
 and gas tensions in blood, 163
 and medullary regulation, 385

RICHTER, D., 203

RODBARD, S., 21

RODBARD, S., F. SAMSON AND D. FERGUSON. Thermosensitivity of the turtle brain as manifested by blood pressure changes, 402

ROMA, M., 295

RONZONI, E. Sodium pentobarbital anesthesia and the response of the adrenal cortex to stress, 499

RONZONI, E. AND S. REICHLIN. Adrenergic agents and the adrenocotropic activity of the anterior pituitary, 490

ROOS, A. AND H. BLACK. Direct determination of partial and total tensions of respiratory gases in blood, 163

Rotameter for measuring cardiac input, 183

RUSSO, H. F., 311

SALT, sea water utilization by kangaroo rats, 291

SAMSON, F., 402

SAYERS, G., 217

SCHACHTER, D., N. FREINKEL AND I. L. SCHWARTZ. Movement of inulin between plasma and interstitial fluid, 532

SCHMIDT-NIELSEN, B. AND K. SCHMIDT-NIELSEN. Do kangaroo rats thrive when drinking sea water?, 291

SCHMIDT-NIELSEN, K., 291

SCHROEDER, H. A., 409

SCHWARTZ, I. L. Measurement of extracellular fluid by means of a constant infusion technique without collection of urine, 526; 532

Secretin, effect of ligation of pancreatic duct on action of, 115

SELLERS, E. A., 83

Serum, antiproteolytic activity, 348

Shock

and conditioned response, 462
 and desoxycorticosterone acetate and adrenal cortical extracts, 83
 and hypertension, 437

SINCLAIR, M. A., 183

SMITH, E. L., 183

Sodium and chloride in adrenals, 89

Sodium output and renal excretion, 306

Sodium sulfate and renal excretion, 353

Sodium retention, influence of steroids and ACTH, 217

SPENCER, F. C., D. L. MERRILL, S. R. POWERS AND R. J. BING. Coronary blood flow and cardiac oxygen consumption in unanesthetized dogs, 149

Spinal cord, polarization, 451

Spinal nerve roots and removal of lumbar sympathetic trunk, 441

Spleen

and adrenal cortex in relation to leucocytes, 75
 and electrolyte distribution, 295

STAMLER, J., S. RODBARD AND L. N. KATZ. Blood pressure and renal clearances in hypertensive dogs following tissue injury, 21

STEFANINI, M., 572

Steroids

anabolic properties, 53
 and electrolyte balance, 217

STOCK, C. C. AND H. A. SCHROEDER. Pressor substances in arterial hypertension: activity and amine content of crude extracts of blood, 409

Stomach, gastric acid secretion, 567

SWANN, H. G., 138

Sympathectomy, lumbar, 441

TEMPERATURE

and emotional hypothermia, 285

and eviscerate survival, 122

and thyroid status, 253

Temperature, body

and arterial pressure, 402

following removal of lumbar sympathetic trunk, 441

and gastric acid secretion, 567

and oxygen utilization, 125

response to changes under anesthetization, 499

Temporal summation of stimuli and anticholinesterases, 375

Thyroid

and calcium and citric acid, 341

influence of temperature, 253

Thrombin, labile factor in, 572

Tocopherols, α -, γ -, δ -, utilization of, 259

Tubular rejection fraction and sodium excretion, 306

Tubular secretion and N^1 -nicotinamide, 311

TUNTURI, A. R. Physiological determination of the boundary of the acoustic area in the cerebral cortex of the dog, 395

ULCERS, antiproteolytic activity of peptic, 348

Urinary excretion and citric acid, 330, 526

Uterus, actomyosin of, 46

VAN HARREVELD, A. AND G. A. FEIGEN. Effect of polarization state of spinal cord elements, 451

Vitamin D and serum calcium and citric acid, 341

Vitamin E and tocopherols, 259

WALCOTT, W. W., 509, 519

WALCOTT, W. W. AND I. J. DEYRUP. Mechanism of hypotension following intravenous injections of strongly hypertonic solutions, 15

WANG, C. C., K. J. WANG AND M. I. GROSSMAN. Effects of ligation of pancreatic duct upon the action of secretin and pancreozymin in rabbits with a correlated histological study, 115

WANG, K. J., 115

WARD, H. P., 177

WÉGRIA, R., R. P. KEATING, H. P. WARD, F. DREYFUSS, C. W. FRANK AND M. R. BLUMENTHAL. Effect of auricular fibrillation on coronary blood flow, 177

Weight, body, and thyroid status, 253

WERTHESSEN, N. T. AND N. S. FIELD. Failure of portal system to inactivate completely ovarian secretions in immature rats, 41

WILHOYTE, K. M., 311

WOLF, A. V. AND S. M. BALL. Effect of intravenous sodium sulfate on renal excretion in the dog, 353

WOODBURY, D. M., C. CHENG, G. SAYERS AND L. S. GOODMAN. Antagonism of adrenocorticotrophic hormone and adrenal cortical extract to desoxycorticosterone: electrolytes and electroshock threshold, 217

WRENSHALL, A. G., J. COLLINS-WILLIAMS AND C. H. BEST. Initial changes in the blood sugar of the fasted anesthetized dog after alloxan, 228

YOU, S. S. AND E. A. SELLERS. Effect of desoxycorticosterone acetate and adrenal cortical extracts on survival of adrenalectomized and intact rats after burning, 83

YOUNG, L. E., 348